



**GREEN VALLEY AND VICINITY
DUST RE-ENTRAINMENT RISK WIND FORECAST
ISSUED TUESDAY, OCTOBER 14, 2008**
Three-day weather outlook:

Mostly light winds are expected across the region through the end of the week with high pressure taking control. Afternoon desert temperatures will warm to the low to mid 90s by Friday under mostly sunny skies. The risk of re-entrained dust in Green Valley will be “Low” through at least Friday.

WINDS

RE-ENTRAINMENT RISK

Day #1: Wed 10/15/2008

No significant winds are expected.

LOW

Day #2: Thu 10/16/2008

No significant winds are expected.

LOW

Day #3: Fri 10/17/2008

No significant winds are expected.

LOW

PM-10 (COARSE PARTICLES):

Description – The term “particulate matter” (PM) includes both solid particles and liquid droplets found in air. Many manmade and natural sources emit PM directly or emit other pollutants that react in the atmosphere to form PM. Particles less than 10 micrometers in diameter tend to pose the greatest health concern because they can be inhaled into and accumulate in the respiratory system. Particles with diameters between 2.5 and 10 micrometers are referred to as “coarse”.

Potential health impacts – PM can increase susceptibility to respiratory infections and can aggravate existing respiratory diseases, such as asthma and chronic bronchitis.

Exposure reduction measures – During high-wind or other events that prompt a forecasted **MODERATE** or **HIGH** risk of transported dust over the Green Valley area, sensitive persons should remain indoors and close windows and doors.

Units of measurement – Micrograms per cubic meter (ug/m3)